



## RF MEASUREMENT REPORT

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**FCC ID:** 2AEZB-FQD10815001

**Applicant:** Forcome(Shanghai) Co.,Ltd.

**Product:** Remote Wireless

**Model No.:** 10815001-18

**FCC Classification:** FCC Part 15 Security/Remote Control Transmitter (DSC)

**FCC Rule Part(s):** Part 15.231

**Result:** Complies

**Received Date:** 2024-08-05

**Test Date:** 2024-08-23 ~ 2024-08-26

**Reviewed By:**

Denise Zhou

**Approved By:**

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

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**Revision History**

| Report No.    | Version | Description    | Issue Date | Note  |
|---------------|---------|----------------|------------|-------|
| 2408RSU007-U1 | V01     | Initial Report | 2024-08-30 | Valid |
|               |         |                |            |       |

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### 1.1. Applicant

Building 109, No.255, South Sizhuan Road, Shanghai, 201612, China

## Forcome(Shanghai)Co.,Ltd.

Building 109, No.255, South Sizhuan Road, Shanghai, 201612, China

|                                     |                                                                                                 |                                  |                                  |                                  |                                  |
|-------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> | <b>Test Site – MRT Suzhou Laboratory</b>                                                        |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Location (Suzhou - Wuzhong)</b>                                                   |                                  |                                  |                                  |                                  |
|                                     | D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China              |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Location (Suzhou - SIP)</b>                                                       |                                  |                                  |                                  |                                  |
|                                     | 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China    |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Location (Suzhou - Wujiang)</b>                                                   |                                  |                                  |                                  |                                  |
|                                     | Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China            |                                  |                                  |                                  |                                  |
| <input type="checkbox"/>            | <b>Laboratory Accreditations</b>                                                                |                                  |                                  |                                  |                                  |
|                                     | A2LA: 3628.01                                                                                   |                                  | CNAS: L10551                     |                                  |                                  |
|                                     | FCC: CN1166                                                                                     |                                  | ISED: CN0001                     |                                  |                                  |
|                                     | VCCI:                                                                                           | <input type="checkbox"/> R-20025 | <input type="checkbox"/> G-20034 | <input type="checkbox"/> C-20020 | <input type="checkbox"/> T-20020 |
|                                     |                                                                                                 | <input type="checkbox"/> R-20141 | <input type="checkbox"/> G-20134 | <input type="checkbox"/> C-20103 | <input type="checkbox"/> T-20104 |
| <input type="checkbox"/>            | <b>Test Site – MRT Shenzhen Laboratory</b>                                                      |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Location (Shenzhen)</b>                                                           |                                  |                                  |                                  |                                  |
|                                     | 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Accreditations</b>                                                                |                                  |                                  |                                  |                                  |
| <input type="checkbox"/>            | A2LA: 3628.02                                                                                   |                                  | CNAS: L10551                     |                                  |                                  |
|                                     | FCC: CN1284                                                                                     |                                  | ISED: CN0105                     |                                  |                                  |
| <input type="checkbox"/>            | <b>Test Site – MRT Taiwan Laboratory</b>                                                        |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Location (Taiwan)</b>                                                             |                                  |                                  |                                  |                                  |
|                                     | No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)                        |                                  |                                  |                                  |                                  |
|                                     | <b>Laboratory Accreditations</b>                                                                |                                  |                                  |                                  |                                  |
| <input type="checkbox"/>            | TAF: 3261                                                                                       |                                  |                                  |                                  |                                  |
|                                     | FCC: 291082, TW3261                                                                             |                                  | ISED: TW3261                     |                                  |                                  |

#### 1.4. Product Information

|                                                                                                                                                        |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Product                                                                                                                                                | Remote Wireless      |
| Model No.                                                                                                                                              | 10815001-18          |
| Wireless Specification                                                                                                                                 | 315MHz               |
| Antenna Information                                                                                                                                    | Refer to Section 1.5 |
| Voltage Type                                                                                                                                           | DC 12V (Dry Battery) |
| EUT Identification No.                                                                                                                                 | 20240821Sample#02    |
| Note:<br>The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. |                      |

#### 1.5. Radio Specification

|                    |             |
|--------------------|-------------|
| Frequency Range    | 315MHz      |
| Type of Modulation | OOK         |
| Antenna Type       | PCB Antenna |
| Max. Antenna Gain  | 3 dBi       |

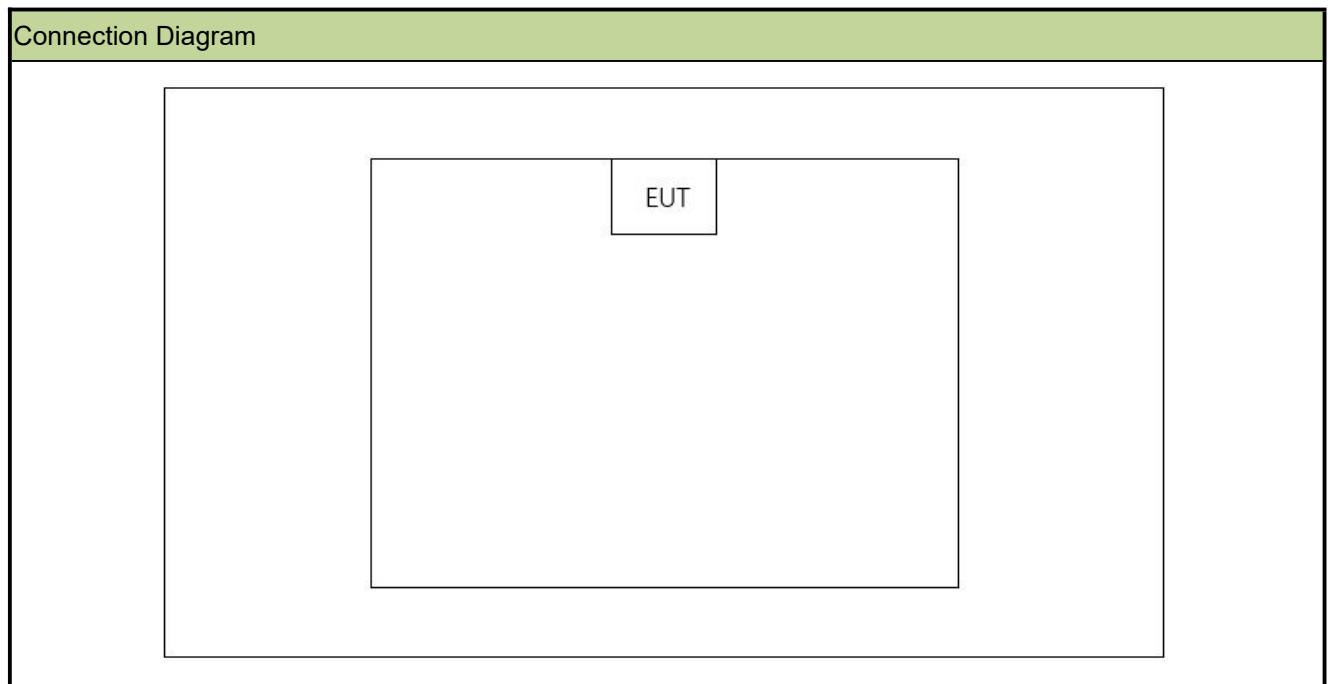
## 2. Test Configuration

### 2.1. Test Mode

Mode 1: Transmit at 315MHz

### 2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing.



### 2.3. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.231
- ANSI C63.10-2013

### 2.4. Test Environment Condition

|                     |           |
|---------------------|-----------|
| Ambient Temperature | 15 ~ 35°C |
| Relative Humidity   | 20 ~75%RH |

### 3. Antenna Requirements

#### Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

#### Conclusion:

The unit complies with the requirement of §15.203.



#### 4. Measuring Instrument

| Instrument          | Manufacturer | Model No.         | Asset No.   | Cali. Interval | Cali. Due Date | Test Site |
|---------------------|--------------|-------------------|-------------|----------------|----------------|-----------|
| TRILOG Antenna      | Schwarzbeck  | VULB 9162         | MRTSUE06022 | 1 year         | 2025-04-17     | WZ-AC2    |
| EMI Test Receiver   | Agilent      | N9038A            | MRTSUE06125 | 1 year         | 2025-05-08     | WZ-AC2    |
| Horn Antenna        | Schwarzbeck  | BBHA 9120D        | MRTSUE06171 | 1 year         | 2024-10-11     | WZ-AC2    |
| Preamplifier        | Schwarzbeck  | BBV 9718          | MRTSUE06176 | 1 year         | 2025-05-06     | WZ-AC2    |
| Anechoic Chamber    | RIKEN        | WZ-AC2            | MRTSUE06213 | 1 year         | 2025-04-18     | WZ-AC2    |
| Thermohygrometer    | testo        | 608-H1            | MRTSUE11263 | 1 year         | 2024-11-07     | WZ-AC2    |
| Active Loop Antenna | Schwarzbeck  | FMZB 1519-60<br>D | MRTSUE07076 | 1 year         | 2024-12-04     | WZ-AC2    |

| Software           | Version | Function               |
|--------------------|---------|------------------------|
| e3                 | 230711  | RE & CE                |
| Controller_MF 7802 | 1.02    | RE Antenna & Turntable |

## 5. Decision Rules and Measurement Uncertainty

### 5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

### 5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

#### Radiated Emission Measurement

The maximum measurement uncertainty is evaluated as:

Coaxial: 9kHz~30MHz: 2.61dB

Coplanar: 9kHz~30MHz: 2.62dB

Horizontal: 30MHz~200MHz: 3.79dB

200MHz~1GHz: 3.91dB

1GHz~40GHz: 4.99dB

Vertical: 30MHz~200MHz: 4.06dB

200MHz~1GHz: 5.21dB

1GHz~40GHz: 4.90dB

## 6. Test Result

### 6.1. Summary

| FCC Part Section(s) | Test Description                      | Test Condition | Verdict |
|---------------------|---------------------------------------|----------------|---------|
| 15.207              | AC Conducted Emissions 150kHz - 30MHz | Line Conducted | N/A     |
| 15.205,15.231(b)    | Radiated Spurious Emissions           | Radiated       | Pass    |
| 15.231(c)           | 20dB Bandwidth                        |                | Pass    |
| 15.231(a)           | Transmission Time                     |                | Pass    |

Notes:

- 1) For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
- 2) "N/A" means this item is not applicable, and the details refer to relevant section.

## 6.2. Conducted Emission

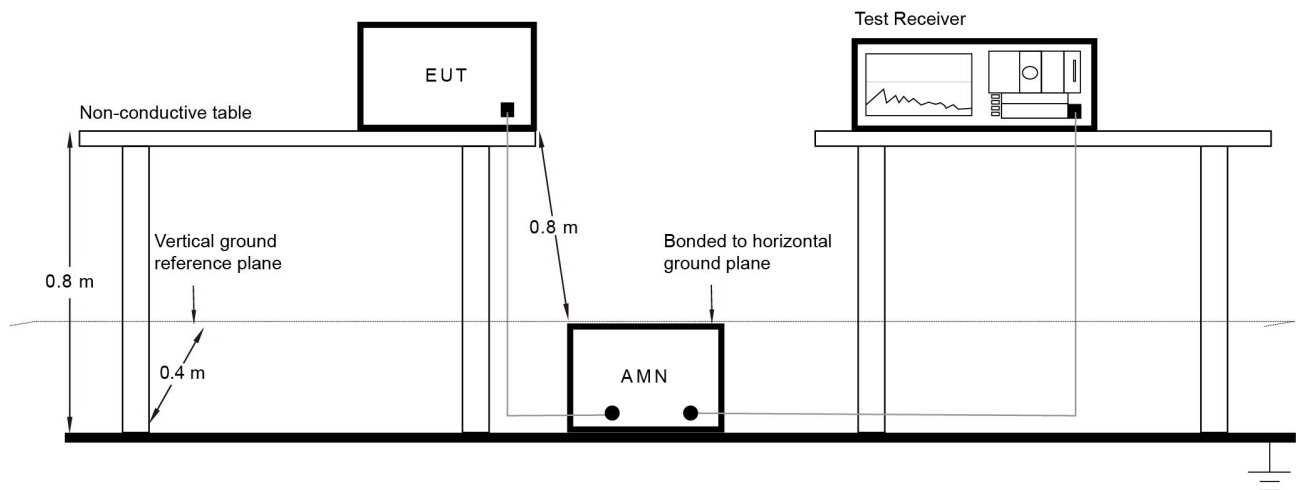
### 6.2.1. Test Limit

| FCC Part 15.207 Limits |                 |                 |
|------------------------|-----------------|-----------------|
| Frequency (MHz)        | QP (dB $\mu$ V) | AV (dB $\mu$ V) |
| 0.15 ~ 0.50            | 66 ~ 56         | 56 ~ 46         |
| 0.50 ~ 5.0             | 56              | 46              |
| 5.0 ~ 30               | 60              | 50              |

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 6.2.2. Test Setup



### 6.2.3. Test Result

The device is powered by internal battery, so this requirement is not applicable.

### 6.3. Radiated Emissions

#### 6.3.1. Test Limit

According to §15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

| Fundamental Frequency<br>(MHz) | Field strength of fundamental<br>(microvolts/meter) | Field strength of spurious emission<br>(microvolts/meter) |
|--------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
| 40.66 - 40.70                  | 2250                                                | 225                                                       |
| 70 - 130                       | 1250                                                | 125                                                       |
| 130 - 174                      | 1250 to 3750                                        | 125 to 375                                                |
| 174 - 260                      | 3750                                                | 375                                                       |
| 260 - 470                      | 3750 to 12500                                       | 375 to 1250                                               |
| Above 470                      | 12500                                               | 1250                                                      |

The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements start below or at the lowest crystal frequency.

Compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

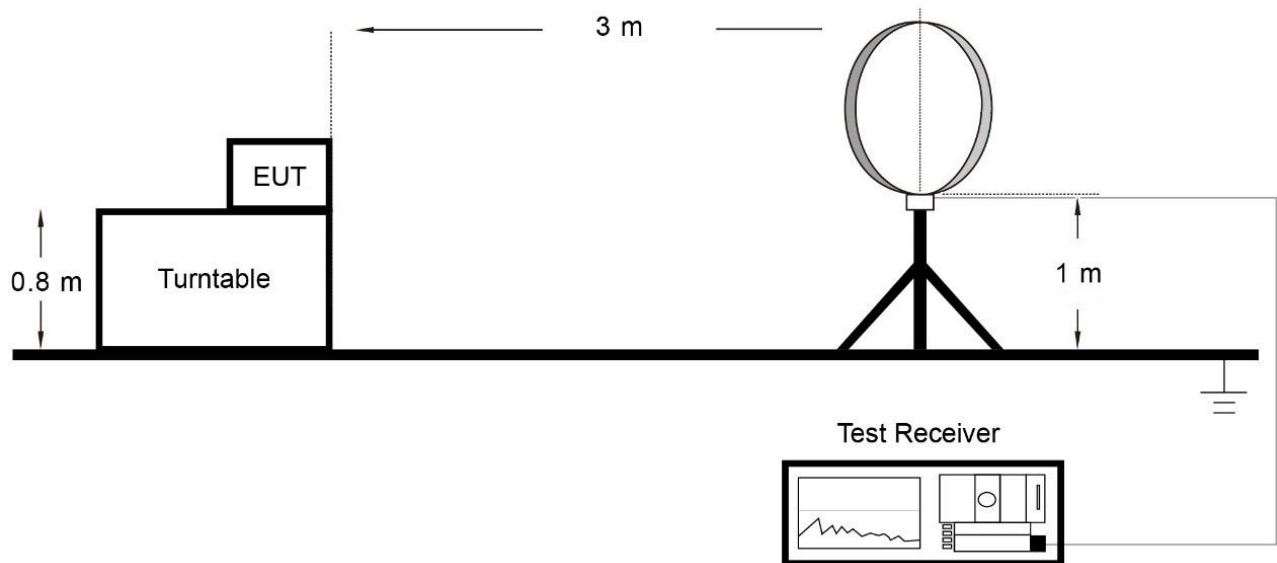
**For 15.205 requirement:**

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

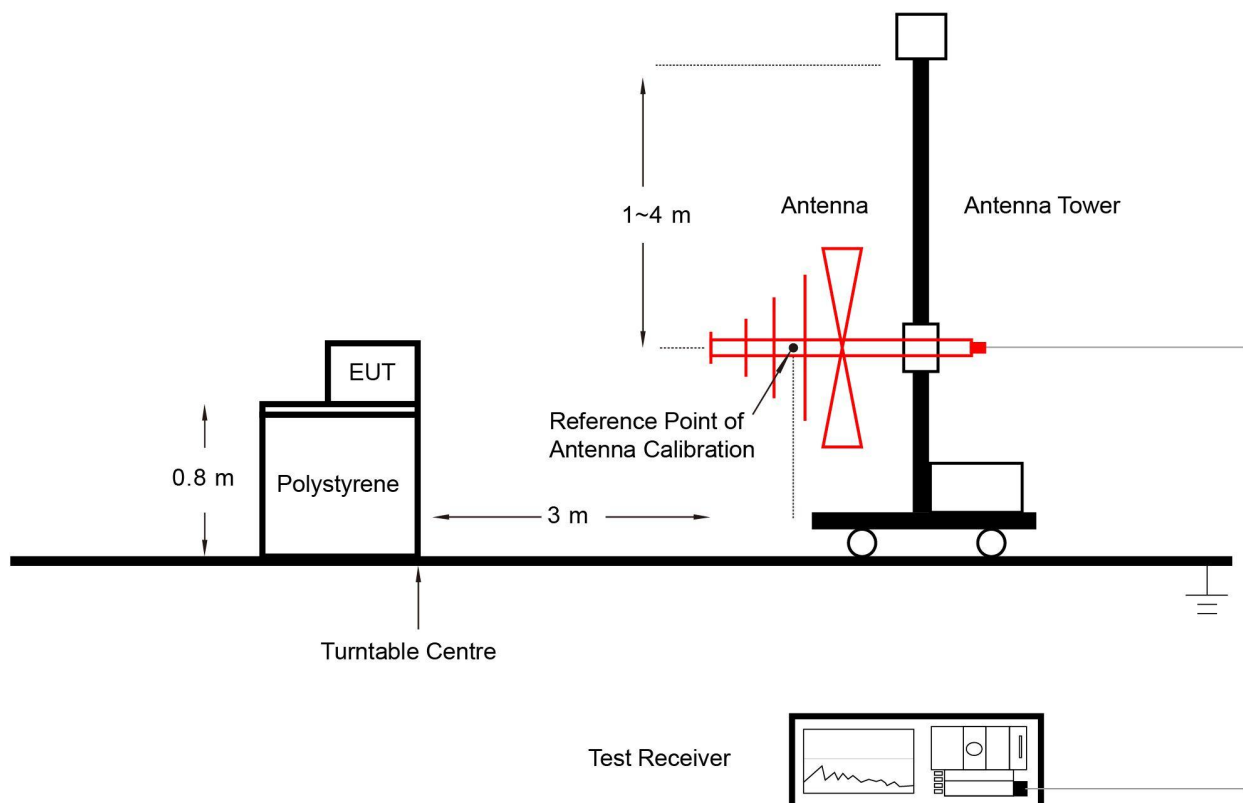
| Frequency<br>(MHz)         | Frequency<br>(MHz)    | Frequency<br>(MHz) | Frequency<br>(GHz) |
|----------------------------|-----------------------|--------------------|--------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410        | 4.5 - 5.15         |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614          | 5.35 - 5.46        |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240         | 7.25 - 7.75        |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427        | 8.025 - 8.5        |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5      | 9.0 - 9.2          |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5    | 9.3 - 9.5          |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710        | 10.6 - 12.7        |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2    | 13.25 - 13.4       |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300        | 14.47 - 14.5       |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390        | 15.35 - 16.2       |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500      | 17.7 - 21.4        |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2690 - 2900        | 22.01 - 23.12      |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267        | 23.6 - 24.0        |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339        | 31.2 - 31.8        |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358      | 36.43 - 36.5       |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400        | ( <sup>2</sup> )   |
| 13.36 - 13.41              | --                    | --                 | --                 |

### 6.3.2. Test Setup

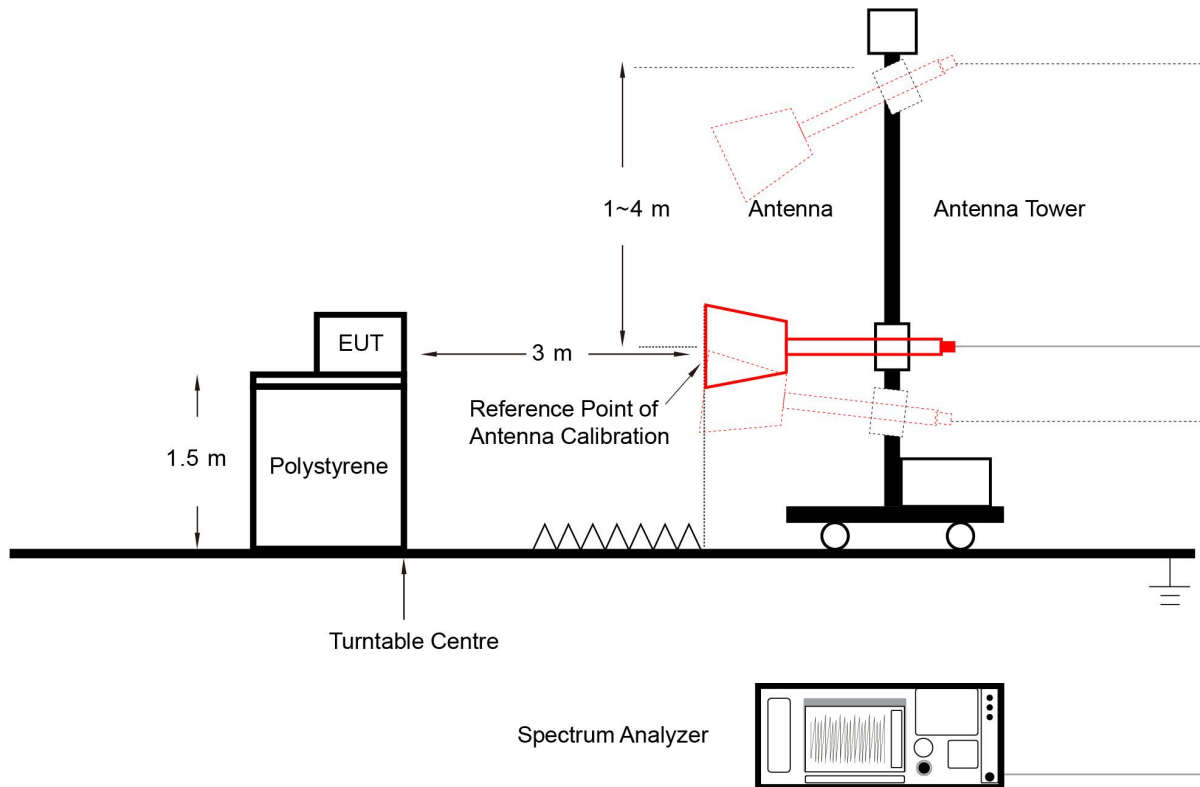
#### Below 30MHz Test Setup:



#### Below 1GHz Test Setup:



### Above 1GHz Test Setup:



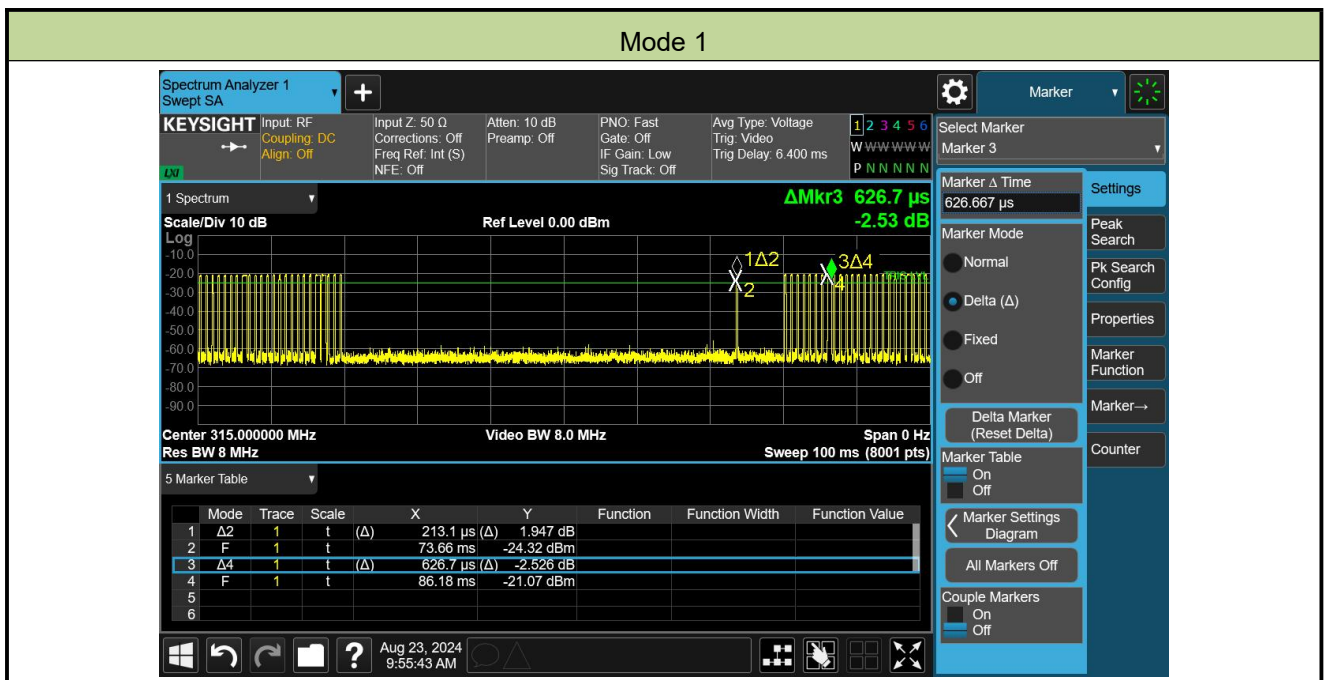


### 6.3.3. Test Results

|           |            |               |           |
|-----------|------------|---------------|-----------|
| Test Site | WZ-AC2     | Test Engineer | Dick Shen |
| Test Date | 2024-08-23 |               |           |

| Test Mode | Time On (ms) | One Period (ms) | Duty Cycle (%) | Duty Cycle Factor (dB) |
|-----------|--------------|-----------------|----------------|------------------------|
| Mode 1    | 12.9235      | 100             | 12.9235        | -17.77                 |

Note: Duty Cycle Factor (dB) =  $20 \cdot \log_{10}(\text{Duty Cycle})$  (dB).



Note: Time On (ms) =  $(\Delta 2 \text{ time } (\mu\text{s}) \cdot 43 + \Delta 4 \text{ time } (\mu\text{s}) \cdot 6) / 1000$ .

|           |            |               |                               |
|-----------|------------|---------------|-------------------------------|
| Test Site | WZ-AC2     | Test Engineer | Dick Shen                     |
| Test Date | 2024-08-23 | Remark        | Fundamental Radiated Emission |

| Frequency<br>(MHz) | Reading<br>Level<br>(dBμV) | Factor<br>(dB/m) | Duty Cycle<br>Factor<br>(dB) | Measure<br>Level<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|--------------------|----------------------------|------------------|------------------------------|------------------------------|-------------------|----------------|----------|--------------|
| Mode 1             |                            |                  |                              |                              |                   |                |          |              |
| 315.0              | 60.63                      | 21.47            | N/A                          | 82.10                        | 95.62             | -13.52         | PK       | Horizontal   |
|                    | 60.63                      | 21.47            | -17.77                       | 64.33                        | 75.62             | -11.29         | AV       | Horizontal   |
|                    | 47.72                      | 21.47            | N/A                          | 69.19                        | 95.62             | -26.43         | PK       | Vertical     |
|                    | 47.72                      | 21.47            | -17.77                       | 51.42                        | 75.62             | -24.20         | AV       | Vertical     |

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Average Measure Level = Peak Measure Level + Duty Cycle Factor

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

|           |            |               |                             |
|-----------|------------|---------------|-----------------------------|
| Test Site | WZ-AC2     | Test Engineer | Dick Shen                   |
| Test Date | 2024-08-23 | Remark        | Radiated Spurious Emissions |

### Above 1GHz:

| Frequency<br>(MHz)                                                                | Reading<br>Level<br>(dBμV) | Factor<br>(dB/m) | Duty Cycle<br>Factor<br>(dB) | Measure<br>Level<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|-----------------------------------------------------------------------------------|----------------------------|------------------|------------------------------|------------------------------|-------------------|----------------|----------|--------------|
| Mode 1                                                                            |                            |                  |                              |                              |                   |                |          |              |
| 1575.10                                                                           | 66.05                      | -4.36            | N/A                          | 61.69                        | 75.62             | -13.93         | PK       | Horizontal   |
| 1575.10                                                                           | 66.05                      | -4.36            | -17.77                       | 43.92                        | 55.62             | -11.70         | AV       | Horizontal   |
| 2204.80                                                                           | 70.44                      | -1.10            | N/A                          | 69.34                        | 75.62             | -6.28          | PK       | Horizontal   |
| 2204.80                                                                           | 70.44                      | -1.10            | -17.77                       | 51.57                        | 55.62             | -4.05          | AV       | Horizontal   |
| 2520.10                                                                           | 62.89                      | -2.02            | N/A                          | 60.87                        | 75.62             | -14.75         | PK       | Horizontal   |
| 2520.10                                                                           | 62.89                      | -2.02            | -17.77                       | 43.10                        | 55.62             | -12.52         | AV       | Horizontal   |
| 2834.80                                                                           | 67.45                      | -1.95            | N/A                          | 65.50                        | 75.62             | -10.12         | PK       | Horizontal   |
| 2834.80                                                                           | 67.45                      | -1.95            | -17.77                       | 47.73                        | 55.62             | -7.89          | AV       | Horizontal   |
| 3150.10                                                                           | 60.14                      | -1.66            | N/A                          | 58.48                        | 75.62             | -17.14         | PK       | Horizontal   |
| 3150.10                                                                           | 60.14                      | -1.66            | -17.77                       | 40.71                        | 55.62             | -14.91         | AV       | Horizontal   |
| 1575.10                                                                           | 63.23                      | -4.36            | N/A                          | 58.87                        | 75.62             | -16.75         | PK       | Vertical     |
| 1575.10                                                                           | 63.23                      | -4.36            | -17.77                       | 41.10                        | 55.62             | -14.52         | AV       | Vertical     |
| 2205.10                                                                           | 71.15                      | -1.09            | N/A                          | 70.06                        | 75.62             | -5.56          | PK       | Vertical     |
| 2205.10                                                                           | 71.15                      | -1.09            | -17.77                       | 52.29                        | 55.62             | -3.33          | AV       | Vertical     |
| 2519.80                                                                           | 66.54                      | -2.02            | N/A                          | 64.52                        | 75.62             | -11.10         | PK       | Vertical     |
| 2519.80                                                                           | 66.54                      | -2.02            | -17.77                       | 46.75                        | 55.62             | -8.87          | AV       | Vertical     |
| 2834.80                                                                           | 59.56                      | -1.95            | N/A                          | 57.61                        | 75.62             | -18.01         | PK       | Vertical     |
| 2834.80                                                                           | 59.56                      | -1.95            | -17.77                       | 39.84                        | 55.62             | -15.78         | AV       | Vertical     |
| 3464.80                                                                           | 58.02                      | -0.83            | N/A                          | 57.19                        | 75.62             | -18.43         | PK       | Vertical     |
| 3464.80                                                                           | 58.02                      | -0.83            | -17.77                       | 39.42                        | 55.62             | -16.20         | AV       | Vertical     |
| Note: Peak Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)          |                            |                  |                              |                              |                   |                |          |              |
| Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB) |                            |                  |                              |                              |                   |                |          |              |
| Average Measure Level = Peak Measure Level + Duty Cycle Factor                    |                            |                  |                              |                              |                   |                |          |              |

|           |            |               |                             |
|-----------|------------|---------------|-----------------------------|
| Test Site | WZ-AC2     | Test Engineer | Dick Shen                   |
| Test Date | 2024-08-23 | Remark        | Radiated Spurious Emissions |

#### Below 1GHz:

| Frequency<br>(MHz)                                                  | Reading<br>Level<br>(dBμV) | Factor<br>(dB/m) | Duty Cycle<br>Factor<br>(dB) | Measure<br>Level<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|---------------------------------------------------------------------|----------------------------|------------------|------------------------------|------------------------------|-------------------|----------------|----------|--------------|
| Mode 1                                                              |                            |                  |                              |                              |                   |                |          |              |
| 629.95                                                              | 35.63                      | 27.69            | 0.00                         | 63.32                        | 75.62             | -12.30         | PK       | Horizontal   |
| 629.95                                                              | 35.63                      | 27.69            | -17.77                       | 45.55                        | 55.62             | -10.07         | AV       | Horizontal   |
| 945.00                                                              | 25.81                      | 31.92            | 0.00                         | 57.73                        | 75.62             | -17.89         | PK       | Horizontal   |
| 945.00                                                              | 25.81                      | 31.92            | -17.77                       | 39.96                        | 55.62             | -15.66         | AV       | Horizontal   |
| 629.95                                                              | 36.58                      | 27.69            | 0.00                         | 64.27                        | 75.62             | -11.35         | PK       | Vertical     |
| 629.95                                                              | 36.58                      | 27.69            | -17.77                       | 46.50                        | 55.62             | -9.12          | AV       | Vertical     |
| 945.00                                                              | 15.49                      | 31.92            | 0.00                         | 47.41                        | 75.62             | -28.21         | PK       | Vertical     |
| 945.00                                                              | 15.49                      | 31.92            | -17.77                       | 29.64                        | 55.62             | -25.98         | AV       | Vertical     |
| Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) |                            |                  |                              |                              |                   |                |          |              |
| Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)             |                            |                  |                              |                              |                   |                |          |              |
| Average Measure Level = Peak Measure Level + Duty Cycle Factor      |                            |                  |                              |                              |                   |                |          |              |

## **6.4. 20dB Bandwidth**

### **6.4.1. Test Limit**

According to FCC Part 15.231(c), the bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

### **6.4.2. Test Procedure**

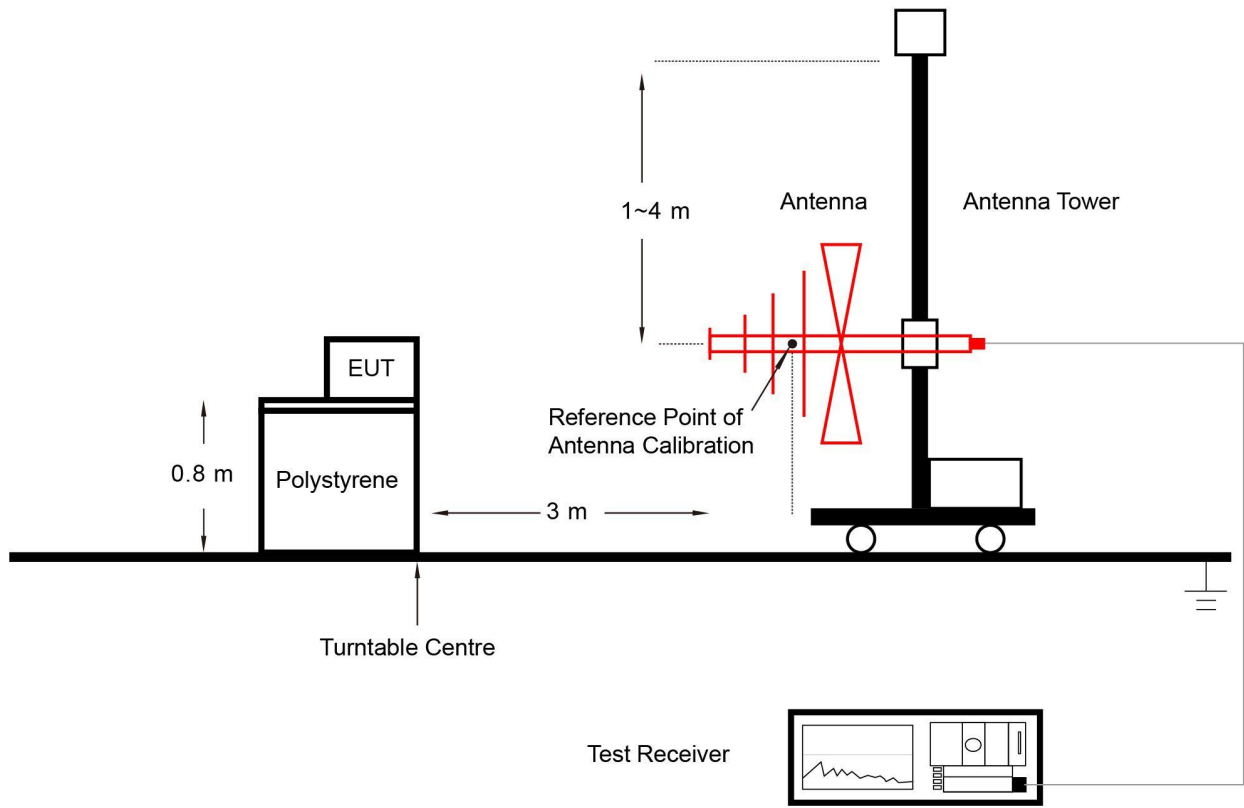
ANSI C63.10-2013 Clause 6.9.2

### **6.4.3. Test Setting**

#### **20dB Bandwidth:**

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 20dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 20$ . The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set the spectrum span shall be between 2 times and 5 times the OBW
3. Set RBW = 1% to 5% of the OBW
4.  $VBW \geq 3 \times RBW$
5. Detector = Peak
6. Trace mode = Max hold
7. Sweep = Auto couple

#### 6.4.4. Test Setup

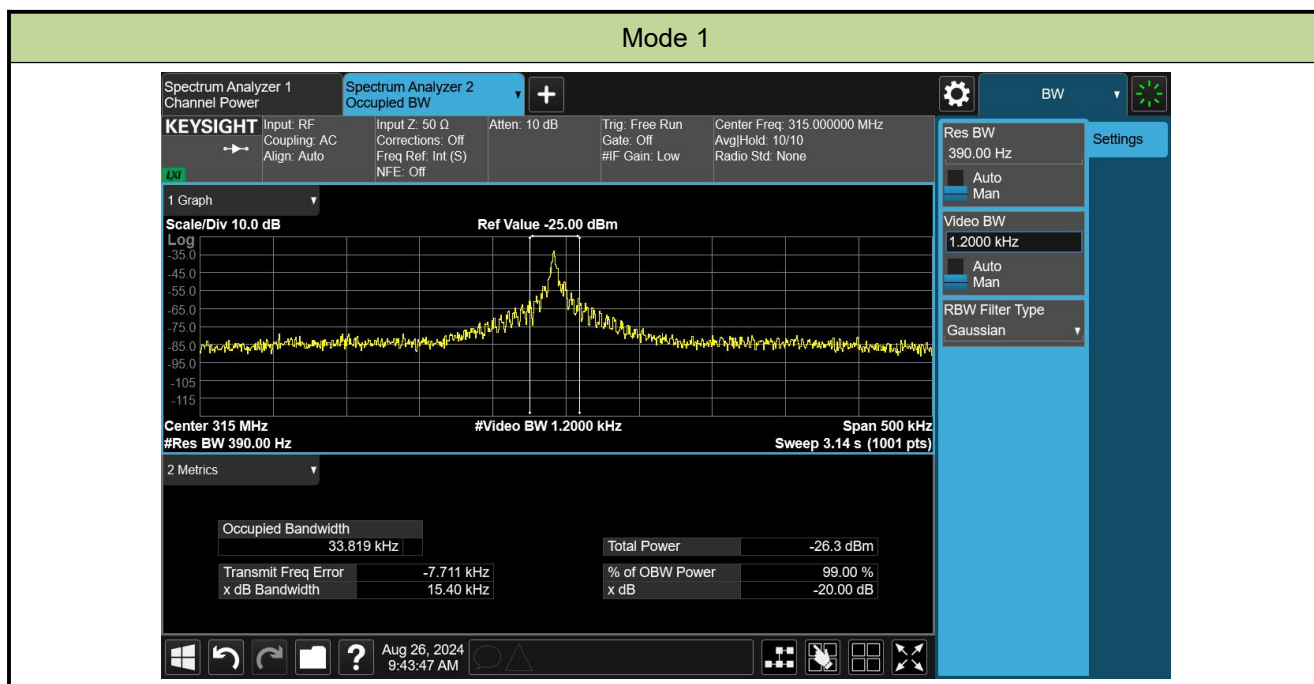


#### 6.4.5. Test Result

|           |            |               |           |
|-----------|------------|---------------|-----------|
| Test Site | WZ-AC2     | Test Engineer | Dick Shen |
| Test Date | 2024-08-26 |               |           |

| Test Mode | 20dB Bandwidth (kHz) | Limit (kHz) | Result |
|-----------|----------------------|-------------|--------|
| Mode 1    | 15.40                | ≤ 787.5     | Pass   |

Note: Limit = Fundamental Frequency \* 0.25% = 315MHz \* 0.25% = 787.5 kHz



## 6.5. Transmission Time

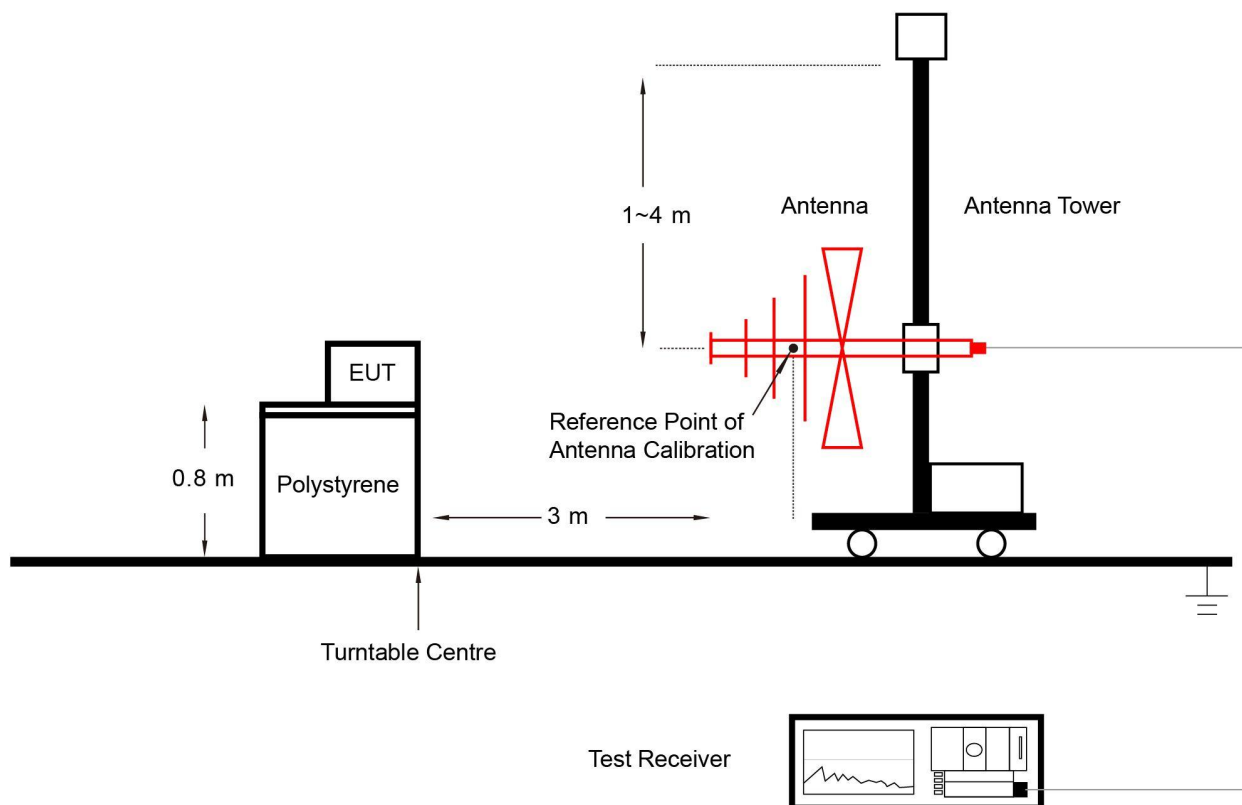
### 6.5.1. Test Limit

According to FCC 15.231(a), a manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

### 6.5.2. Test Procedure

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to fundamental frequency, then set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

### 6.5.3. Test Setup

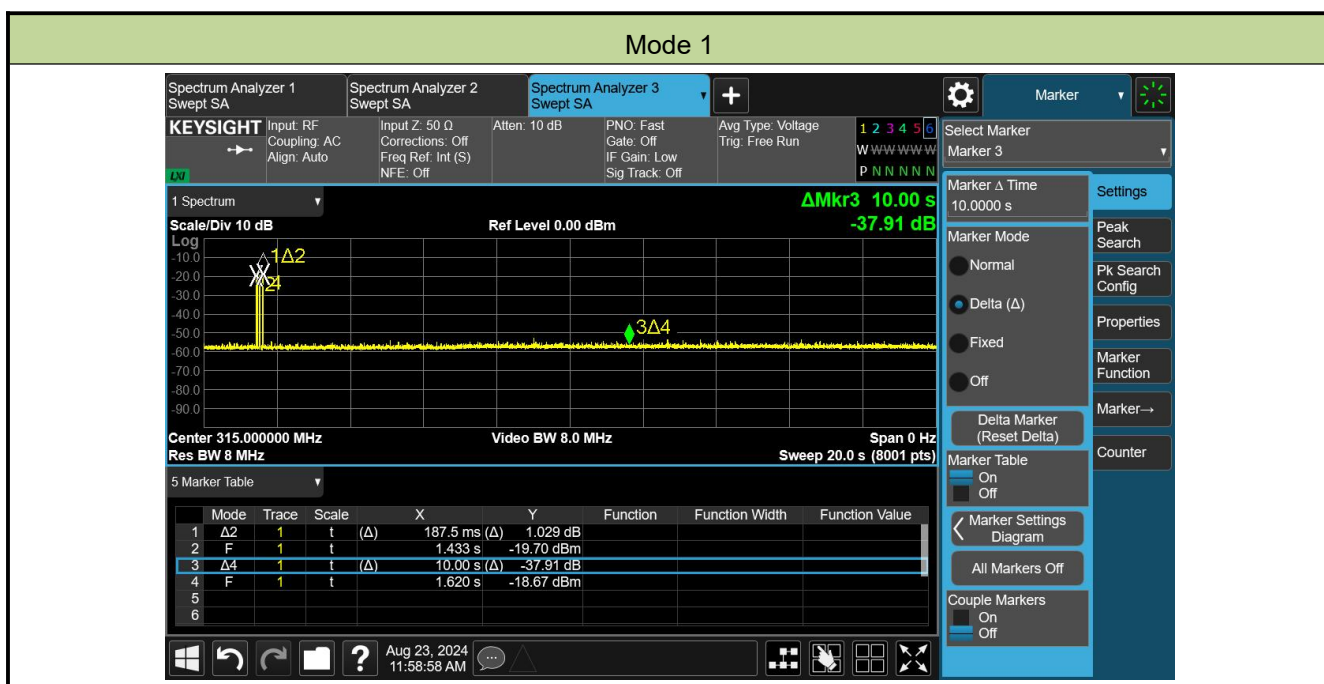




### 6.5.4. Test Result

|           |            |               |           |
|-----------|------------|---------------|-----------|
| Test Site | WZ-AC2     | Test Engineer | Dick Shen |
| Test Date | 2024-08-23 |               |           |

| Test Mode | Item                                 | Measured Value | Limit | Result |
|-----------|--------------------------------------|----------------|-------|--------|
| Mode 1    | Transmission Time (T <sub>on</sub> ) | 187.5 ms       | ≤ 5 s | Pass   |



## **Appendix A - Test Setup Photograph**

Refer to "2408RSU007-UT" file.

## **Appendix B - EUT Photograph**

Refer to "2408RSU007-UE" file.